

Recombinant Human DHFR2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DHFR2-4353H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHFR1 MS Standard C13 and N15-labeled recombinant protein (NP_789785) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate biosynthesis pathway. Required to prevent uracil accumulation in mtDNA. Binds its own mRNA and that of DHFR.
Molecular Mass	21.6 kDa
AA Sequence	MFLLNCIVAVSQNMGIGKNGDLPRPPLRNEFRYFQRM TTTSSVEGKQNLVIMGRKT WFSIPEKNRPLKDRINLVLSRELKEPPQGAHFLARSLDDALKLTERPELANKVDMIWI VGGSSVYKEAMNHLGHLKLFVTRIMQDFESDTFFSEIDLEKYKLLPEYPGVLSDVQE GKHIKYKFEVCEKDDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

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Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name DHFR2 dihydrofolate reductase 2 [Homo sapiens (human)]

Official Symbol DHFR2

Synonyms DHFR2; dihydrofolate reductase 2; DHFRL1; DHFRP4; dihydrofolate reductase 2, mitochondrial; dihydrofolate reductase like 1; dihydrofolate reductase pseudogene 4; dihydrofolate reductase, mitochondrial; dihydrofolate reductase-like protein 1; EC 1.5.1.3

Gene ID 200895

mRNA Refseq NM_176815

Protein Refseq NP_789785

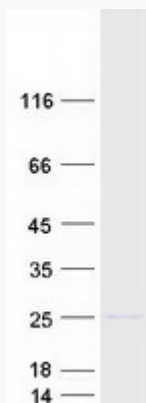
MIM 616588

UniProt ID Q86XF0

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SDS-PAGE

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